

SEQUENCE LISTING

<110> TAKARA BIO INC.

<120> Method of screening functional nucleotide molecule

<130> 664687

<150> JP 2003-307624

<151> 2003-08-29

<160> 28

<210> 1

<211> 907

<212> DNA

<213> Mus musculus

<400> 1

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agttgaggac tgcaaaatga atgggggtac accaacctgt gcccctgca cagaagggaa 180
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gaaagtccag ctgctcctgt gctggtacca atctcatggg aagagtgatg catatcaaga 780
ttaatcaag ggtctcaaaa aagccgaatg tcgcagaacc ttagataaat ttcaggacat 840
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tctggag 907

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<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA2-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 2

gugcaagugc aaaccagact t

21

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<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA2-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 3

gucugguuug cacuugcact t

21

<210> 4

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA3-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

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agccgaaugu cgcagaacct t

21

<210> 5

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA3-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 5

gguucugcga cauucggcut t

21

<210> 6

<211> 21

<212> DNA

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<223> Chimeric oligonucleotide designed as RNA4-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 6

aagccgaaug ugcagaact t

21

<210> 7

<211> 21

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<223> Chimeric oligonucleotide designed as RNA4-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

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<210> 8

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<210> 9

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<223> Chimeric oligonucleotide designed as RNA5-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

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<223> Chimeric oligonucleotide designed as RNA6-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 11

gucaacaacc auaggcgaut t

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<210> 12

<211> 19

<212> DNA

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<223> Designed PCR primer to amplify a portion of mouse Fas gene.

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19

<210> 13

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer to amplify a portion of mouse Fas gene.

<400> 13

tggttgctgt gcatggctc

19

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Designed PCR primer rsGFP-1 to amplify a portion of rsGFP gene.

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36

<210> 15

<211> 38

<212> DNA

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<223> Designed PCR primer rsGFP-2 to amplify a portion of rsGFP gene.

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cagtcacgac gctagcagtt gtacagttca tccatgcc

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<223> rsGFP gene

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 catcttcttc aaagatgacg gcaactacaa gacacgtgct gaagtcaagt ttgaagggtga 360
 tacccttggt aatagaatcg agttaaagg tattgacttc aaggaagatg gcaacattct 420
 gggacacaaa ttggaataca actataactc acacaatgta tacatcatgg cagacaaaca 480
 aaagaatgga atcaaagtga acttcaagac ccgccacaac attgaagatg gaagcgttca 540
 actagcagac cattatcaac aaaatactcc aattggcgat ggccctgtcc tttaccaga 600
 caaccattac ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca 660
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 caactgctag cgtcgtgact g 741

<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA7-1. "nucleotides 1 to 19 are
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<400> 17

aagagagacc acaugucct t

21

<210> 18

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA7-2. "nucleotides 1 to 19 are
 ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 18

ggaccaugug gucucucuut t 21

<210> 19

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA8-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 19

gcguucaacu agcagaccat t 21

<210> 20

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA8-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 20

uggucugcua guugaacgct t 21

<210> 21

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<400> 21

agagagacca caugguccut t 21

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA9-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 22

aggaccaugu ggucucucut t 21

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<400> 24
 cucuccacug acagagaact t 21

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 <223> Designed PCR primer GFP-B-F to amplify a portion of rsGFP gene.

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<210> 27
 <211> 20

<212> DNA

<213> Artificial Sequence

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<223> Designed PCR primer Neo-F to amplify a portion of neomycin resistant gene.

<400> 27

atagcgttgg ctacccgtga 20

<210> 28

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer Neo-R to amplify a portion of neomycin resistant gene.

<400> 28

gaaggcgata gaaggcgatg 20